

# TP-Link - TL-WR1043N / TL-WR1043ND

## 300Mbps Wireless N Gigabit Router – Fiber Setup Guide



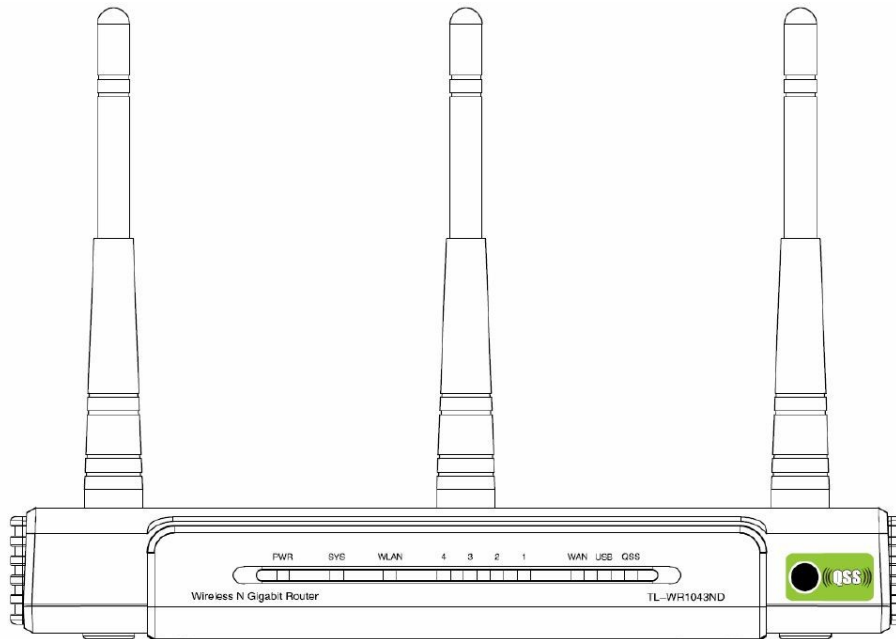
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## **1 Main Features**

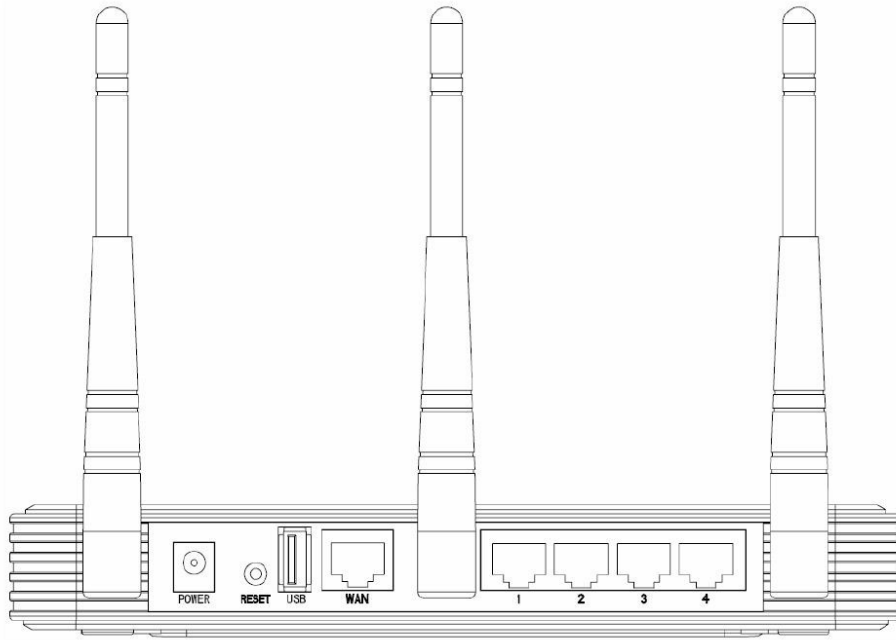
- Complies with IEEE 802.11n to provide a wireless data rate of up to 300Mbps.
- One 10/100/1000M Auto-Negotiation RJ45 WAN port, four 10/100/1000M Auto-Negotiation RJ45 LAN ports, supporting Auto MDI/MDIX.
- Provides WPA/WPA2, WPA-PSK/WPA2-PSK authentication, TKIP/AES encryption security.
- Shares data and Internet access for users, supporting Dynamic IP/Static IP/PPPoE Internet access.
- Supports Virtual Server, Special Application and DMZ host.
- Supports UPnP, Dynamic DNS, Static Routing.
- Provides Automatic-connection and Scheduled Connection on certain time to the Internet.
- Built-in NAT and DHCP server supporting static IP address distributing.
- Supports Parental Control and Access Control.
- Connects Internet on demand and disconnects from the Internet when idle for PPPoE.
- Provides 64/128/152-bit WEP encryption security and wireless LAN ACL (Access Control List).
- Supports Flow Statistics.
- Supports firmware upgrade and Web management.

## 2 Front Panel



Name	Status	Indication
Power	Off	Power is off.
	On	Power is on.
System	On	The Router is initializing or maybe has a system error.
	Flashing	The Router is working properly.
	Off	The Router has a system error.
WLAN	Off	The Wireless function is disabled.
	Flashing	The Wireless function is enabled.
WAN, LAN 1-4	Off	There is no device linked to the corresponding port.
	On	There is a device linked to the corresponding port but there is no activity.
	Flashing	There is an active device linked to the corresponding port.
QSS	Slow Flash	A wireless device is connecting to the network by QSS function. This process will last in the first 2 minutes.
	On	A wireless device has been successfully added to the network by QSS function.
	Quick Flash	A wireless device failed to be added to the network by QSS function.

### 3 Back Panel

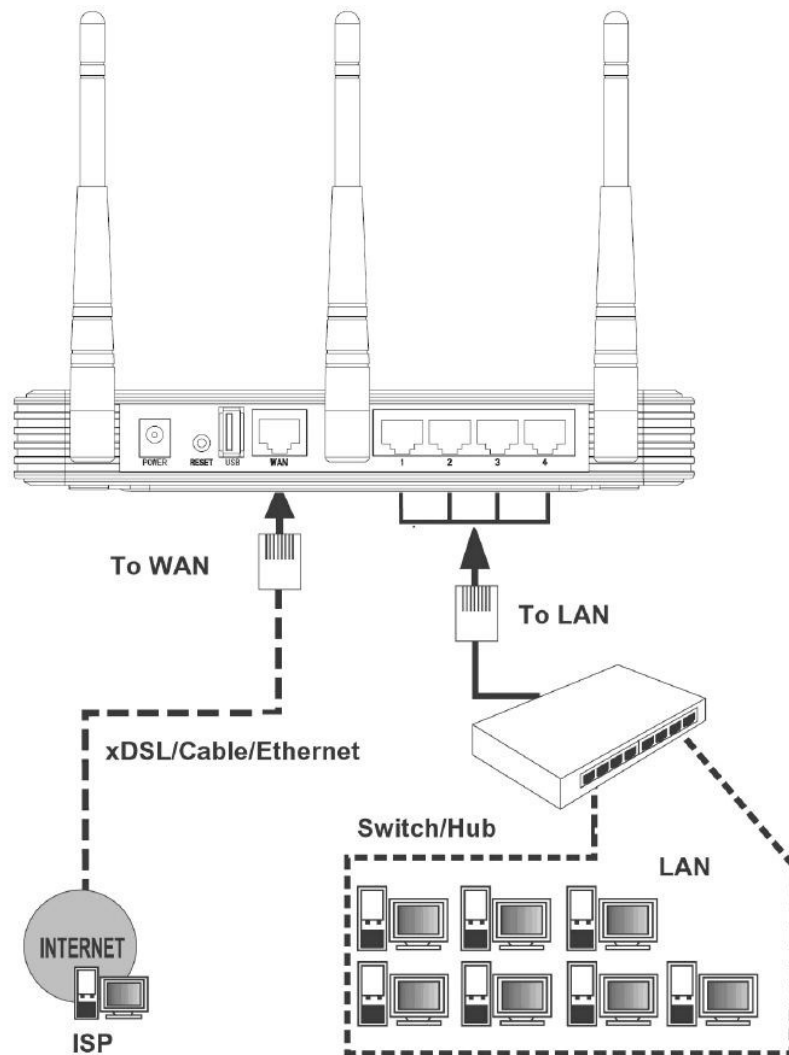


- **POWER:**  
The Power socket is where you will connect the power adapter. Please use the power adapter provided with this TL-WR1043ND Wireless N Gigabit Router.
- **RESET:**  
There are two ways to reset to the Router's factory defaults:
  1. Use the Factory Defaults function on System Tools -> Factory Defaults page in the Router's Web-based Utility.
  2. Use the Factory Default Reset button: Press the Reset button for five seconds and then wait for the Router to reboot.
- **USB:**  
Connect with USB Mass Storage Device.
- **WAN:**  
This WAN port is where you will connect the DSL/cable Modem, or Ethernet.
- **1,2,3,4 (LAN):**  
These ports (1, 2, 3, 4) connect the Router to the local PC(s).
- **Wireless antenna:**  
To receive and transmit the wireless data.

## 4 How to setup your hardware

Before installing the Router, make sure your PC is connected to the Internet through the broadband service successfully. If there is any problem, please contact your ISP. After that, please install the Router according to the following steps. Don't forget to pull out the power plug and keep your hands dry.

1. Power off your PC, Cable/DSL Modem, and the Router.
2. Locate an optimum location for the Router. The best place is usually at the center of your wireless network.
3. Adjust the direction of the antenna. Normally, upright is a good direction.
4. Connect the PC(s) and each Switch/Hub in your LAN to the LAN Ports on the Router, shown in below figure.
5. Connect the DSL/Cable Modem to the WAN port on the Router, shown in below figure.
6. Connect the power adapter to the power socket on the Router, and the other end into an electrical outlet. The Router will start to work automatically.



## 5 Quick Installation guide through web interface.

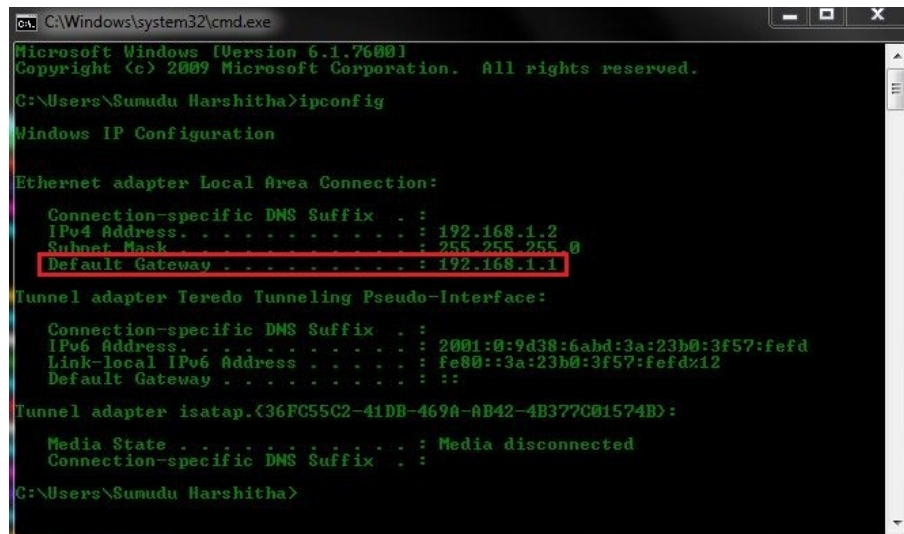
**Step 1:** In order for us to login to the web interface we need to determine the router IP address. Please follow the below steps to determine the router address as it may differ from one device to another.

*On a Windows environment.*

1. Start ---> All Programs ---> Accessories ---> Command Prompt
2. Type "ipconfig" on the prompt and press enter on the key board.

Look for the **default gateway** address as it should be the router address.

*Refer below image for an example.*



```
C:\Windows\system32\cmd.exe
Microsoft Windows [Version 6.1.7600]
Copyright (c) 2009 Microsoft Corporation. All rights reserved.

C:\Users\Sumudu Harshitha>ipconfig

Windows IP Configuration

Ethernet adapter Local Area Connection:

    Connection-specific DNS Suffix  . : 
    IPv4 Address. . . . . : 192.168.1.2
    Subnet Mask . . . . . : 255.255.255.0
    Default Gateway . . . . . : 192.168.1.1

Tunnel adapter Teredo Tunneling Pseudo-Interface:

    Connection-specific DNS Suffix  . : 
    IPv6 Address. . . . . : 2001:0:9d38:6abd:3a:23b0:3f57:fedf
    Link-local IPv6 Address . . . . . : fe00::3a:23b0:3f57:fedf%12
    Default Gateway . . . . . : ::

Tunnel adapter isatap.{36FC55C2-41DB-469A-AB42-4B377C01574B}:

    Media State . . . . . : Media disconnected
    Connection-specific DNS Suffix  . : 

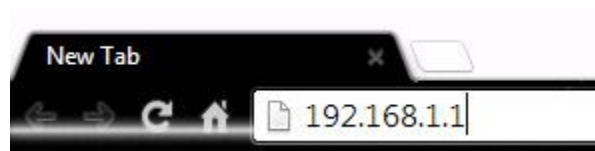
C:\Users\Sumudu Harshitha>
```

*On a Macintosh environment.*

1. Apple menu--->System Preferences
2. Internet and Network--->Network



**Step 2:** On the address bar type the default gateway address you found and press enter.



**Step 3:** The Router should prompt you to insert the username and password to login to it, usually the user name and password both would be **admin** then press login.

A screenshot of an 'Authentication Required' dialog box. The title bar says 'Authentication Required' with a close button (X). The main text reads: 'The server http://192.168.1.1:80 requires a username and password. The server says: 400TC1.' Below this, there are two input fields: 'User Name:' and 'Password:'. At the bottom, there are two buttons: 'Log In' and 'Cancel'.

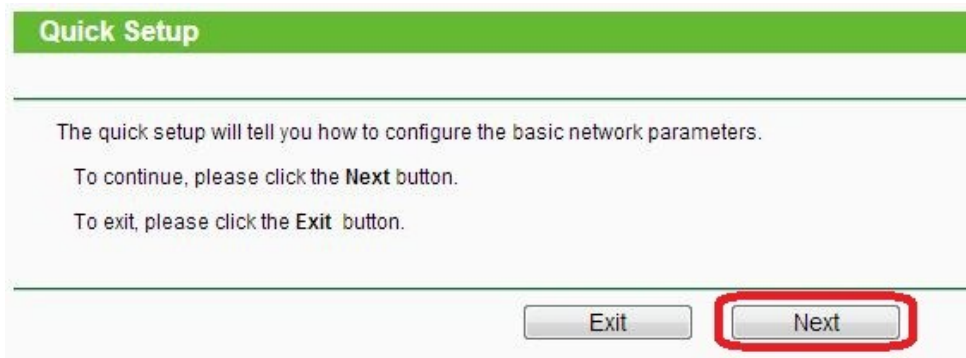
**Step 4:** After successful login you will be able to configure the settings inside the router.

Click on the **Quick Setup** to enter in to the quick setup mode.



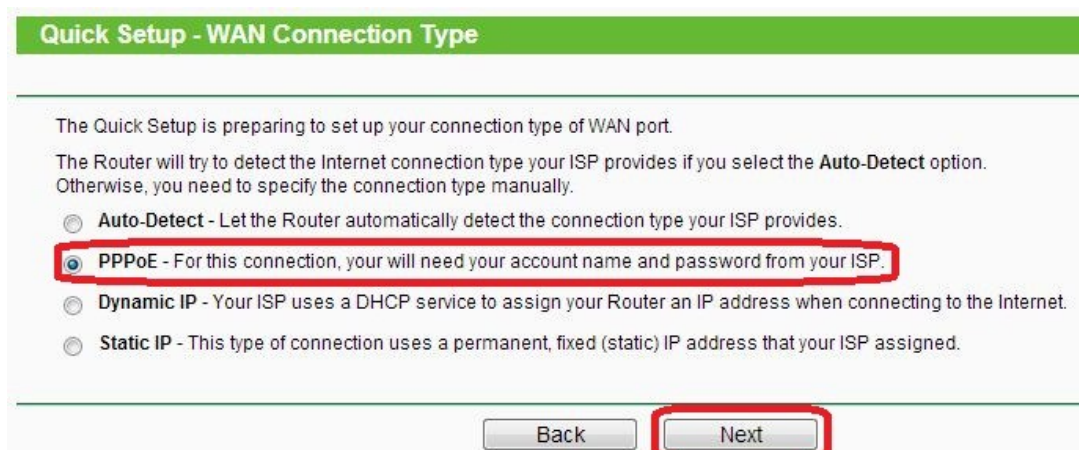


**Step 5:** On this step it just gives you the information. Click on **Next** to go to the next page.



The screenshot shows the 'Quick Setup' screen. It has a green header with the text 'Quick Setup'. Below the header, there is a paragraph: 'The quick setup will tell you how to configure the basic network parameters. To continue, please click the **Next** button. To exit, please click the **Exit** button.' At the bottom right, there are two buttons: 'Exit' and 'Next'. The 'Next' button is highlighted with a red rectangular box.

**Step 6:** On the WAN connection type select the **PPPoE** and the click on **Next**.



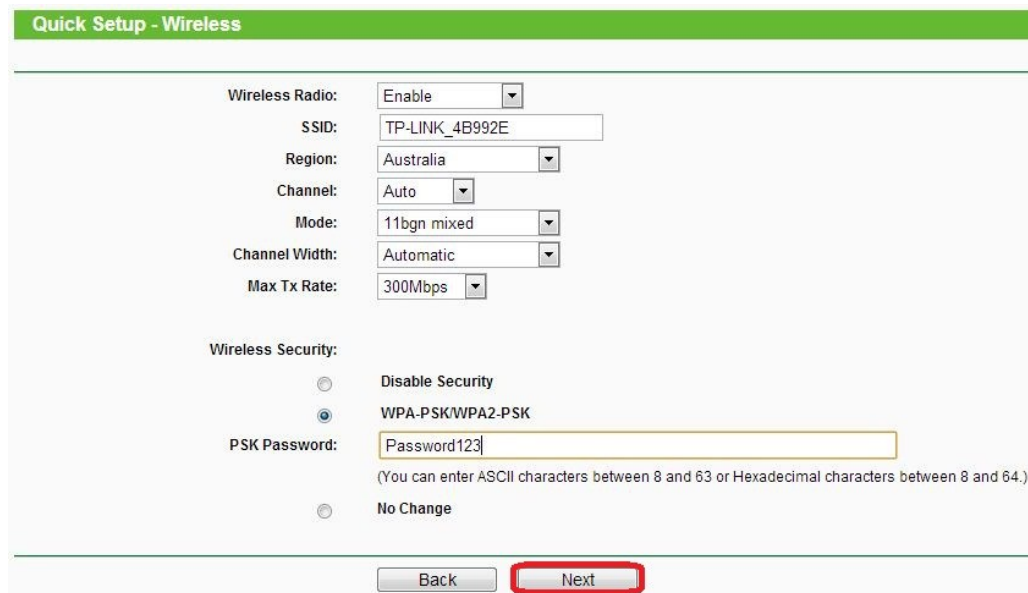
The screenshot shows the 'Quick Setup - WAN Connection Type' screen. It has a green header with the text 'Quick Setup - WAN Connection Type'. Below the header, there is a paragraph: 'The Quick Setup is preparing to set up your connection type of WAN port. The Router will try to detect the Internet connection type your ISP provides if you select the **Auto-Detect** option. Otherwise, you need to specify the connection type manually.' There are four radio button options: 'Auto-Detect - Let the Router automatically detect the connection type your ISP provides.', 'PPPoE - For this connection, you will need your account name and password from your ISP.', 'Dynamic IP - Your ISP uses a DHCP service to assign your Router an IP address when connecting to the Internet.', and 'Static IP - This type of connection uses a permanent, fixed (static) IP address that your ISP assigned.' The 'PPPoE' option is selected and highlighted with a red rectangular box. At the bottom right, there are two buttons: 'Back' and 'Next'. The 'Next' button is highlighted with a red rectangular box.

**Step 7:** Complete this step by entering your internet **User name** and **Password** provided by exetel. And then click on **Next**.

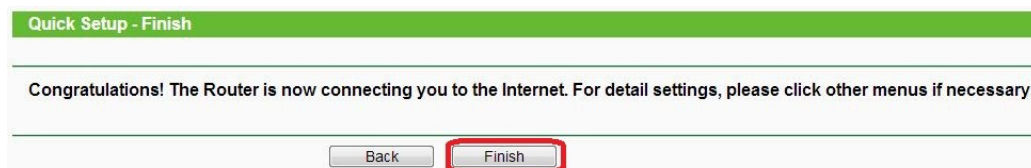


The screenshot shows the 'Quick Setup - PPPoE' screen. It has a green header with the text 'Quick Setup - PPPoE'. Below the header, there are two input fields: 'User Name:' with the text 'xxxxxxxxxx@nsw.exetel.com.' and 'Password:' with a masked password '.....'. At the bottom right, there are two buttons: 'Back' and 'Next'. The 'Next' button is highlighted with a red rectangular box.

**Step 8:** On the Wireless settings page you may configure the settings as you like as exetel don't have any control over them. Here follows the basic setup information that you would find useful. After the completion click on **Next**.



**Step 9:** You can click on the **Finish** on this page.



**Step 10:** Once you complete all the steps above correctly the router may prompt you to reboot the device for the settings to take effect so on this page you may click on **Reboot**. Please note that the router may take several seconds for the reboot and to establish internet connection.



## **6 Additional Information and links.**

Please note that this document is a basic setup guide from exetel for their respective customers.

For further information on the router configurations you may refer the product manual from the following link.

<http://www.tp-link.com.au/products/details/?categoryid=238&model=TL-WR1043ND#down>

or you may contact TP-Link on following numbers.

1300-875-465 or 02-8810-1186